

**Environmental
Restoration
Contractor** ***ERC Team***
Interoffice Memorandum

0052034

Job No. 22192
Written Response Required? NO
Closes CCN: N/A
OU: 200-UP
TSD: N/A
ERA: N/A
Subject Code: 8630

TO: M. A. Buckmaster, H0-19

DATE: February 24, 1997

COPIES: See Below

FROM: R. T. Coffman
Onsite Measurement Services
H9-11/372-9373

SUBJECT: 200-UP-1 IRM IMPLEMENTATION SAMPLING, MONTHLY GROUNDWATER RESULTS, JANUARY 1997, REV 0

REFERENCES:

1. BHI, 1996, *On-Site Measurements Quality Assurance Plan*, BHI-00852, REV 0, Bechtel Hanford, Inc., Richland, Washington.
2. BHI, 1995, *Field Screening Procedures*, BHI-EE-05, Bechtel Hanford, Inc., Richland, Washington.
3. BHI, 1996, *200-UP-1 Field Screening Support Logbook*, EL-1334, Bechtel Hanford, Inc., Richland, Washington.

This data package contains field screening results for groundwater samples analyzed to support the 200-UP-1 IRM Implementation Sampling program. The Quality Assurance level for this work corresponds to QA-1 as specified in the reference 1 (BHI 1996). The samples were managed under SAF C97-013. As of January 1, 1997, groundwater sampling responsibilities and oversight was transferred from the ERC, to PNNL, with Rust Federal Services performing the sample collection.

Attachment 1 contains Volatile Organic Compound (VOC), total uranium, and technetium-99 results for groundwater samples collected to support the referenced project. The VOC results were generated using a Hewlett Packard 5890 gas chromatograph with a headspace autosampler operated in accordance with Field Screening Procedure (FSP) 1.1, *Aqueous Headspace Analysis of Volatile Organic Compounds in Water* (BHI 1995). Information concerning operation and calibration of the gas chromatograph is contained in the instrument logbook EL-1329.

The total uranium results were generated using a ChemChek KPA-11a Kinetic Phosphorescence Analyzer operated in accordance with FSP 1.22, *Kinetic Phosphorescence Analysis of Total Uranium in Water* (BHI 1996). Information concerning operation and calibration of the ChemChek KPA-11a is contained in 200-UP-1 field logbook EL-1335.

C. D. Wittreich, H9-12

Page 2

The technetium-99 analyses were conducted at the 222-S Laboratory. The results are included in this data package for information only. Questions concerning the analyses and results should be directed to the laboratory.

Please contact me if you have any questions on this information.



R. T. Coffman, Analyst

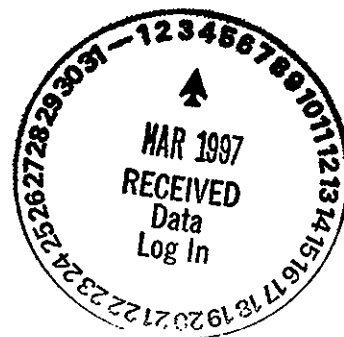
RTC:rtc

Attachments:

- Attachment 1. 200-UP-1 IRM Implementation Sampling, Monthly Groundwater Results, January 1997
- Attachment 2. Sample Chain of Custody Sheets

Copies:

- C. W. Denslow, H9-02, w/attachment 1 only
- B. H. Ford, H0-02, w/attachment 1 only
- F. W. Gustafson, H9-11, w/attachment 1 only
- A. M. Hopkins, H9-11, w/attachment 1 only
- I. D. Jacques, H9-10, w/attachment 1 only
- R. B. Kerkow, H9-10, w/attachment 1 only
- S. A. Strobe, T7-12, w/attachment 1 only
- L. C. Swanson, H9-11, w/attachment 1 only
- BHI Document Control, H4-79, w/original attachments



200-UP-1 IRM Implementation Sampling
Monthly Groundwater Results, January, 1997
SAF C97-013

| Sample Location | HEIS Number | Sample Date | Analysis Date (VOA) | Chloroform (µg/L) | Carbon Tetrachloride (µg/L) | TCE (µg/L) | Uranium (µg/L) | Technetium-99 (pCi/L) |
|-----------------|-------------|-------------|---------------------|-------------------|-----------------------------|------------|----------------|-----------------------|
| 299-W19-20 | BOJRB3 | 1/23/97 | NA | NA | NA | NA | NA | 7510 |
| 299-W19-20 | BOJRB9 | 1/23/97 | 1/30/97 | 5.9 | 240 | 8.1 | 1660 | NA |
| 299-W19-24 | BOJRB5 | 1/29/97 | NA | NA | NA | NA | NA | 7300 |
| 299-W19-24 | BOJR91 | 1/29/97 | 1/31/97 | 2.6 | 100 | 2 | 2640 | NA |
| 299-W19-26 | BOJRB6 | 1/27/97 | NA | NA | NA | NA | NA | 20500 |
| 299-W19-26 | BOJR92 | 1/27/97 | 1/31/97 | 6.3 | 200 | 2.3 | 740 | NA |
| 299-W19-28 | BOJRB7 | 1/23/97 | NA | NA | NA | NA | NA | 2310 |
| 299-W19-28 | BOJR93 | 1/23/97 | 1/30/97 | <2.0 | 3.3 | <2.0 | 250 | NA |
| 299-W19-29 | BOJRB8 | 1/23/97 | NA | NA | NA | NA | NA | <95 |
| 299-W19-29 | BOJR94 | 1/23/97 | 1/30/97 | <2.0 | <2.0 | <2.0 | 23 | NA |
| 299-W19-30 | BOJRB9 | 1/24/97 | NA | NA | NA | NA | NA | 2340 |
| 299-W19-30 | BOJR95 | 1/24/97 | 1/30/97 | <2.0 | 18 | <2.0 | 470 | NA |
| 299-W19-34A | BOJR96 | 1/24/97 | 1/30/97 | 8.4 | 77 | 4.3 | 1.5 | NA |
| 299-W19-34A | BOJRC0 | 1/24/97 | NA | NA | NA | NA | NA | 900 |
| 299-W19-35 | BOJRC1 | 1/23/97 | NA | NA | NA | NA | NA | 550 |
| 299-W19-35 | BOJR97 | 1/23/97 | 1/30/97 | 2.8 | 190 | 17 | 45 | NA |
| 299-W19-37 | BOJRC2 | 1/28/97 | NA | NA | NA | NA | NA | 2560 |
| 299-W19-37 | BOJR98 | 1/28/97 | 1/31/97 | <2.0 | 26 | <2.0 | 1040 | NA |
| 299-W19-38 | BOJRC3 | 1/28/97 | NA | NA | NA | NA | NA | 2540 |
| 299-W19-38 | BOJR99 | 1/28/97 | 1/31/97 | 6.2 | 130 | <2.0 | 180 | NA |
| Trip Blank | BOJRB1 | 1/23/97 | 1/30/97 | <2.0 | <2.0 | <2.0 | NA | NA |
| Trip Blank | BOJRB2 | 1/24/97 | 1/30/97 | <2.0 | <2.0 | <2.0 | NA | NA |
| Trip Blank | BOJXY2 | 1/27/97 | 1/31/97 | <2.0 | <2.0 | <2.0 | NA | NA |
| Trip Blank | BOJXY7 | 1/28/97 | 1/31/97 | <2.0 | <2.0 | <2.0 | NA | NA |
| Trip Blank | BOJXY8 | 1/29/97 | 1/31/97 | <2.0 | <2.0 | <2.0 | NA | NA |

NA - Not Analyzed

j - Value less than practical quantitation limit

Analyst:

R.T. Coffman 2/24/97
R.T. Coffman

VOA Instrument: Hewlett Packard 5890 GC, Serial # 3235A47685
Method: Dual DB-VRX columns, ECD/FID, 1mL headspace injection
Logbook: 200-UP-1 Field Logbook, EL-1334, pgs. 37 to 41

Uranium Instrument: ChemChek KPA-11a, Serial # 9445050065
Method: Kinetic Phosphorescence
Logbook: 200-UP-1 Field Logbook, EL-1334, pgs. 39 to 41

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|--|-----------------|--|------------------------------------|----------------------------|---|---|------------------------------------|----------------|-----------------------------------|--|--|
| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | El 1-22-97 | C 97-013-15 | Page 1 of 1 | | |
| Collector RZ STEFFLER (RFS) | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 72 Hours FIELD | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | | Sampling Location 200-W | | | SAF No. C 97-013 | | | | | |
| Ice Chest No. SML-263 | | | Field Logbook No. WHL-N-205 #63 | | | Method of Shipment Hand Carried | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. NA | | | Bill of Lading/Air Bill No. NA | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | |
| | | | Type of Container | G/P | Gs* | | | | | | |
| | | | No. of Container(s) | 1 | 1 | | | | | | |
| Special Handling and/or Storage | | | Volume | 20ml | 40ml | | | | | | |
| SAMPLE ANALYSIS | | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | |
| | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| BOJR89 | Water | JAN 23 1997 | 0908 | | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1704) El 1-22-97 | | | | | |
| | | Relinquished By RZ STEFFLER (RFS) | Date/Time 1-27-97/0800 | Received By [Signature] | Date/Time 1-27-97/0800 | | | | | | |
| | | Relinquished By [Signature] | Date/Time 1-27-97/0810 | Received By RT Coffman | Date/Time 1-27-97/0820 | | | | | | |
| | | Relinquished By | Date/Time | Received By | Date/Time | | | | | | |
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| LABORATORY SECTION | Received By | Title | | | | Date/Time | | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | | | | Date/Time | | | | | |

- Matrix *
- S - Soil
 - SE - Sediment
 - SO - Solid
 - SL - Sludge
 - W - Water
 - O - Oil
 - A - Air
 - DS - Drum Solids
 - DL - Drum Liquids
 - T - Tissue
 - WI - Wipe
 - L - Liquid
 - V - Vegetation
 - X - Other

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|--|----------|---|---|---|---|------------------------------------|--|---|-----------|-------------|-----------------|-----------|-------------|-----------|
| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | 1-22-97 | 97-013-17 | Page 1 of 1 | | | | |
| Collector RA FOX (RFS) | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround ~72 Hours - FIELD | | | | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | Sampling Location 200-W | | SAF No. CP97-013 | | | | | | | | | | |
| Ice Chest No. Smk 226 | | Field Logbook No. EFL-111-6 PAGE 65 | | Method of Shipment Gov. Vehicle | | | | | | | | | | |
| Shipped To Mobile Laboratory | | Offsite Property No. N/A | | Bill of Lading/Air Bill No. N/A | | | | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | |
| | | Type of Container | G/P | Gs* | | | | | | | | | | |
| | | No. of Container(s) | 1 | 1 | | | | | | | | | | |
| Special Handling and/or Storage | | Volume | 20ml | 40ml | | | | | | | | | | |
| SAMPLE ANALYSIS | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | |
| B0JR91 | Water | JAN 29 1997 | 0919 | ✓ | ✓ | | | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1704) 1-22-97 | | | | | | | | | | |
| | | | | | | | | | | | Relinquished By | Date/Time | Received By | Date/Time |
| | | | | | | | | | | | Relinquished By | Date/Time | Received By | Date/Time |
| | | | | | | | | | | | Relinquished By | Date/Time | Received By | Date/Time |
| | | | | | | | | | | | Relinquished By | Date/Time | Received By | Date/Time |
| LABORATORY SECTION | | Received By | | Title | | Date/Time | | | | | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | Date/Time | | | | | | | | |

Matrix *
 S = Soil
 SE = Sediment
 SO = Solid
 SL = Sludge
 W = Water
 O = Oil
 A = Air
 DS = Drum Solids
 DL = Drum Liquids
 T = Tissue
 WI = Wipe
 L = Liquid
 V = Vegetation
 X = Other

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | C97-013-18 | | Page 1 of 1- | |
| Collector RR FOX (RFS) | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround Field | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY1997 | | | Sampling Location 200-W | | | SAF No. C97-013 | | | | | |
| Ice Chest No. SmL 276 | | | Field Logbook No. EFL-1111-6 PAGE 62 | | | Method of Shipment LOW Velocity | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. N/A | | | Bill of Lading/Air Bill No. N/A | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | Preservation | | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | |
| | | | Type of Container | | G/P | Gs* | | | | | |
| | | | No. of Container(s) | | 1 | 1 | | | | | |
| Special Handling and/or Storage | | | Volume | | 20ml | 40ml | | | | | |
| SAMPLE ANALYSIS | | | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| B0JR92 | Water | JAN 27 1997 | 1401 | ✓ | ✓ | | | | | | |
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| CHAIN OF POSSESSION | | | | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1704) 1-23-97 | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| RR FOX (RFS) | | 1-23-97 1600 | | K.J. Young | | 1/27/97 1600 | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| K.J. Young | | 1-28-97 0930 | | R. J. Hill | | 1-28-97 0930 | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| R. J. Hill | | 1-28-97 1245 | | R. J. Hill | | 1-28-97 1245 | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| LABORATORY SECTION | | Received By | | Title | | | | Date/Time | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | | | Date/Time | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | <i>DL</i> 1-22-97 | C #97-013-19 | Page 1 of 1 |
| Collector RZ STEFFLER (RFS) | | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 22 Hours - FIELD |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY1997 | | | | Sampling Location 200-W | | SAF No. C 97-013 | | | | |
| Ice Chest No. <i>SML - 263</i> | | | | Field Logbook No. <i>WHC - N - 205 # 63</i> | | Method of Shipment <i>Hand Carried</i> | | | | |
| Shipped To Mobile Laboratory | | | | Offsite Property No. <i>NA</i> | | Bill of Lading/Air Bill No. <i>NA</i> | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | |
| | | | | Type of Container | G/P | Gs* | | | | |
| | | | | No. of Container(s) | 1 | 1 | | | | |
| Special Handling and/or Storage | | | | Volume | 20ml | 40ml | | | | |
| SAMPLE ANALYSIS | | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | |
| | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | |
| B0JR93 | Water | JAN 23 1997 | 1112 | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT * FAX copies of log in to DL Stewart (372-1704) <i>del</i> 1-22-97 | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other |
| Relinquished By <i>RZ STEFFLER (RFS)</i> | Date/Time <i>1-27-97/0800</i> | Received By <i>DL Stewart</i> | Date/Time <i>1-27-97/0800</i> | | | | | | | |
| Relinquished By <i>DL Stewart</i> | Date/Time <i>1-27-97/0820</i> | Received By <i>RT Coffman</i> | Date/Time <i>1-27-97/0820</i> | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | |
| LABORATORY SECTION | Received By | Title | | | | Date/Time | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | | | | Date/Time | | | | |

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|---|-----------|--|---------------|--|--|------------------------------------|-----------|--|--|-------------|--------------|
| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | 1-22-97 | 97-013-20 | Page 1 of 1. | | | |
| Collector RZ STEFFLER (RFS) | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 92 Hours FIELD | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY1997 | | Sampling Location 200-W | | SAF No. 97-013 | | | | | | | |
| Ice Chest No. SML-263 | | Field Logbook No. WHC-N-205 #63 | | Method of Shipment Hand Carried | | | | | | | |
| Shipped To Mobile Laboratory | | Offsite Property No. NA | | Bill of Lading/Air Bill No. NA | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | |
| | | Type of Container | G/P | Gs* | | | | | | | |
| | | No. of Container(s) | 1 | 1 | | | | | | | |
| Special Handling and/or Storage | | Volume | 20ml | 40ml | | | | | | | |
| SAMPLE ANALYSIS | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | | |
| | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| B0JR94 | Water | JAN 23 1997 | 1021 | | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1704) 1-22-97 | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other | | | |
| | | Relinquished By | Date/Time | | | | | | | Received By | Date/Time |
| | | RZ STEFFLER (RFS) | 1-27-97/0800 | | | | | | | [Signature] | 1-27-97/0800 |
| | | [Signature] | 1-27-97/0820 | | | | | | | RT Coffman | 1-27-97/0820 |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| LABORATORY SECTION | | Received By | | Title | | Date/Time | | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | Date/Time | | | | | |

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|---|-----------------|--|--------------|---------------------------------|---|---|--|------------------------------------|--|--|--|---|--|--|
| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | <i>DL</i> 1-22-97 | | C 97-013-21 | | Page 1 of 1. | | |
| Collector RZ STEFFLER (RFS) | | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 72 Hours FIELD | | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY1997 | | | | Sampling Location 200-W | | | | SAF No. 97-013 | | | | | | |
| Ice Chest No. | | | | Field Logbook No. | | | | Method of Shipment | | | | | | |
| Shipped To Mobile Laboratory | | | | Offsite Property No. | | | | Bill of Lading/Air Bill No. | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | | Preservation | | HN03 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | |
| | | | | Type of Container | | G/P | Gs* | | | | | | | |
| | | | | No. of Container(s) | | 1 | 1 | | | | | | | |
| Special Handling and/or Storage | | | | Volume | | 20ml | 40ml | | | | | | | |
| SAMPLE ANALYSIS | | | | | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | |
| | | | | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | |
| B0JR95 | Water | JAN 24 1997 | 0820 | X | X | | | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1704) <i>DL</i> 1-22-97 | | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |
| RZ STEFFLER (RFS) | 1-27-97/0800 | <i>DL Stewart</i> | 1-27-97/0800 | | | | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |
| <i>DL Stewart</i> | 1-27-97/0820 | <i>DL Stewart</i> | 1-27-97/0820 | | | | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |
| LABORATORY SECTION | Received By | Title | | | | | | Date/Time | | | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | | | | | | Date/Time | | | | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | DL 1-22-97 | 97-013-22 | Page 1 of 1 | | |
| Collector RZ STEFFLER (RFS) | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 72 Hours FIELD | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | Sampling Location 200-W | | SAF No. C97-013 | | | | | | | |
| Ice Chest No. SML-263 | | Field Logbook No. WHC-N-205 #63 | | Method of Shipment Hand Carried | | | | | | | |
| Shipped To Mobile Laboratory | | Offsite Property No. NA | | Bill of Lading/Air Bill No. NA | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | Preservation | | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | |
| | | Type of Container | | G/P | Gs* | | | | | | |
| | | No. of Container(s) | | 1 | 1 | | | | | | |
| Special Handling and/or Storage | | Volume | | 20ml | 40ml | | | | | | |
| SAMPLE ANALYSIS | | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | |
| | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| BOJR96 | Water | JAN 24 1997 | 1013 | X | X | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1794) DL 1-22-97 | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | | |
| | | Relinquished By RZ STEFFLER (RFS) | Date/Time 1-27-97/0800 | | | | | | | Received By DL Stewart | Date/Time 1-27-97/0800 |
| | | Relinquished By DL Stewart | Date/Time 1-27-97/0820 | | | | | | | Received By RT Coffman | Date/Time 1-27-97/0800 |
| | | Relinquished By | Date/Time | | | | | | | Received By | Date/Time |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| LABORATORY SECTION | Received By | | Title | | Date/Time | | | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | | Disposed By | | Date/Time | | | | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | <i>DL</i> 1-22-97 | | 97-013-23 | | Page 1 of 1 | | | | | | | | | | | |
| Collector RZ STEFFLER (RFS) | | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 72 Hours FIELD | | | | | | | | | | | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY1997 | | | | Sampling Location 200-W | | SAF No. 97-013 | | | | | | | | | | | | | | | | | |
| Ice Chest No. SML-263 | | | | Field Logbook No. WHC-N-205 #63 | | Method of Shipment Hand Carried | | | | | | | | | | | | | | | | | |
| Shipped To Mobile Laboratory | | | | Offsite Property No. NA | | Bill of Lading/Air Bill No. NA | | | | | | | | | | | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | | Preservation | | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | | | | | | | |
| | | | | Type of Container | | G/P | Gs* | | | | | | | | | | | | | | | | |
| | | | | No. of Container(s) | | 1 | 1 | | | | | | | | | | | | | | | | |
| Special Handling and/or Storage | | | | Volume | | 20ml | 40ml | | | | | | | | | | | | | | | | |
| SAMPLE ANALYSIS | | | | | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Sample No. | | Matrix * | | Sample Date | | Sample Time | | | | | | | | | | | | | | | | | |
| BOJR97 | | Water | | JAN 23 1997 | | 1227 | | | | | | | | | | | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX copies of log-in to DL Stewart (372-1704) <i>DL</i> 1-22-97 | | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | | | | | | | | | |
| | | | | | | | | | | | | | | | | Relinquished By | | Date/Time | | Received By | | Date/Time | |
| | | | | | | | | | | | | | | | | RZ STEFFLER (RFS) | | 1-27-97/0800 | | <i>RZ Steffler</i> | | 1-27-97/0800 | |
| | | | | | | | | | | | | | | | | Relinquished By | | Date/Time | | Received By | | Date/Time | |
| | | | | | | | | | | | | | | | | <i>RZ Steffler</i> | | 1-27-97/0800 | | <i>RZ Steffler</i> | | 1-27-97/0800 | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | | | | | | | | | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | | | | | | | | | | | | | |
| LABORATORY SECTION | | Received By | | Title | | | | | | Date/Time | | | | | | | | | | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | | | | | Date/Time | | | | | | | | | | | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | <i>1-22-97</i> P97-013-24 | | Page 1 of 1 | | |
| Collector RR FOX (RFS) RT SICKLE (RFS) <i>1-28-97</i> | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 72 Hours FIELD | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | | Sampling Location 200-W | | | SAF No. C97-013 | | | | | |
| Ice Chest No. <i>SmL 276</i> | | | Field Logbook No. <i>EFL-1111-6 PAGE 63</i> | | | Method of Shipment <i>Gov. Vehicle</i> | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. <i>N/A</i> | | | Bill of Lading/Air Bill No. <i>N/A</i> | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | |
| | | | Type of Container | G/P | Gs* | | | | | | |
| | | | No. of Container(s) | 1 | 1 | | | | | | |
| Special Handling and/or Storage | | | Volume | 20ml | 40ml | | | | | | |
| SAMPLE ANALYSIS | | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | |
| | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| BOJR98 | Water | JAN 28 1997 | <i>0837</i> | <i>✓</i> | <i>✓</i> | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT <i>FAX copies of log-in to DL Stewart (372-1704) 1-22-97</i> | | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other | |
| | | | | | | | | | | | |
| Relinquished By RR FOX (RFS) <i>1-28-97</i> | Date/Time <i>1300</i> | Received By <i>RT SICKLE</i> | Date/Time <i>1300</i> | | | | | | | | |
| Relinquished By RT SICKLE (RFS) <i>1-28-97</i> | Date/Time | Received By <i>RT COFFMAN</i> | Date/Time <i>1-28-97</i> | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| LABORATORY SECTION | Received By | Title | | | Date/Time | | | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | | | Date/Time | | | | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | JL 1-22-97 | 97-013-25 | Page 1 of 1 | |
| Collector RR FOX (RFS) RT SICKLE (RFS) | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 92 Hours FIELD | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | Sampling Location 200-W | | SAF No. C 97-013 | | | | | | | |
| Ice Chest No. SML 226 | | Field Logbook No. EFL-111-C PAGE 63 | | Method of Shipment GOV- Vehicle | | | | | | | |
| Shipped To Mobile Laboratory | | Offsite Property No. N/A | | Bill of Lading/Air Bill No. N/A | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | |
| | | Type of Container | G/P | Gs* | | | | | | | |
| | | No. of Container(s) | 1 | 1 | | | | | | | |
| Special Handling and/or Storage | | Volume | 20ml | 40ml | | | | | | | |
| SAMPLE ANALYSIS | | | URANIUM TOTAL | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| B0JR99 | Water | JAN 28 1997 | 0907 | ✓ | ✓ | | | | | | |
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| CHAIN OF POSSESSION RRF 1-28-97 | | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other | | | |
| Relinquished By RR FOX (RFS) RT SICKLE (RFS) | Date/Time 1-28-97 | Received By RT Coffman | Date/Time 1-28-97 | EAX copies of log-in to DL Stewart (372-1704): JL 1-22-97 | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| LABORATORY SECTION | Received By | Title | | Date/Time | | | | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | | Date/Time | | | | | | | |

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

1-22-97
97-013-27

Page 1 of 1

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|--|-----------------|----------------------------------|-----------------------------------|--|--|--|--|---|--|-------------------|
| Collector RZ STEFFLER (RFS) | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 42 Hours FIELD | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | | | Sampling Location 200-W | | SAF No. C 97-013 | | | | |
| Ice Chest No. 514L-263 | | | | Field Logbook No. WHC-N-205 # 63 | | Method of Shipment Hand Carried | | | | |
| Shipped To Mobile Laboratory | | | | Offsite Property No. NA | | Bill of Lading/Air Bill No. NA | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | | Preservation | HCl to pH <2 Cooled to 4C | | | | | |
| | | | | Type of Container | Gs* | | | | | |
| | | | | No. of Container(s) | 1 | | | | | |
| Special Handling and/or Storage | | | | Volume | 40ml | | | | | |
| SAMPLE ANALYSIS | | | | | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | |
| B0JRB1 | Water | JAN 23 1997 | 0800 | | | | | | | |
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| CHAIN OF POSSESSION | | | | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | Matrix * |
| Relinquished By RZ STEFFLER (RFS) | | Date/Time 1-27-97/0800 | Received By DL Edwards | | Date/Time 1-27-97/0800 | FAX copies of log in to DL Stewart (372-1704) 1-22-97 | | | | S = Soil |
| Relinquished By DL Edwards | | Date/Time 1-27-97/0820 | Received By RZ Steffler | | Date/Time 1-27-97/0820 | | | | | SE = Sediment |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | SO = Solid |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | SL = Sludge |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | W = Water |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | O = Oil |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | A = Air |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | DS = Drum Solids |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | DL = Drum Liquids |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | T = Tissue |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | WI = Wipe |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | L = Liquid |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | V = Vegetation |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | X = Other |
| LABORATORY SECTION | Received By | | Title | | Date/Time | | | | | |
| FINAL SAMPLE DISPOSITION | Disposal Method | | Disposed By | | Date/Time | | | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | 1-22-97 | 97-013-28 | Page 1 of 1 | | |
| Collector RZ STEFFLER (RFS) | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround 72 Hours FIELD | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | | Sampling Location 200-W | | SAF No. 97-013 | | | | | | |
| Ice Chest No. SML-263 | | | Field Logbook No. WHL-N-205 #63 | | Method of Shipment Hand Carried | | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. NA | | Bill of Lading/Air Bill No. NA | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | Preservation | HCl to pH <2 Cooled to 4C | | | | | | | |
| | | | Type of Container | Gs* | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | | | |
| Special Handling and/or Storage | | | Volume | 40ml | | | | | | | |
| SAMPLE ANALYSIS | | | | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| B0JRB2 | Water | 1-24-97 | 0730 | ✓ | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | |
| Relinquished By | Date/Time | Received By | Date/Time | FAX copies of log-in to DL Stewart (372-1704) <i>DL</i> 1-22-97 | | | | | | | |
| RZ STEFFLER (RFS) | 1-27-97/0800 | <i>[Signature]</i> | 1-27-97/0800 | | | | | | | | |
| <i>[Signature]</i> | 1-27-97/0800 | <i>[Signature]</i> | 1-27-97/0800 | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | |
| LABORATORY SECTION | | Received By | Title | | | | Date/Time | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | Disposed By | | | | Date/Time | | | | |

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| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | C97-013-29 | | Page 1 of 1 | | |
| Collector <i>FOX</i> RR FOX (RFS) | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround Field | | | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | | | Sampling Location 200-W | | SAF No. C97-013 | | | | | | | |
| Ice Chest No. <i>500L 416</i> | | | Field Logbook No. <i>EFL-1111-6 PAGE 62</i> | | Method of Shipment <i>Gov. Vehicle</i> | | | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. <i>N/A</i> | | Bill of Lading/Air Bill No. <i>N/A</i> | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | Preservation | | HCl to pH <2 Cooled to 4C | | | | | | | |
| | | | Type of Container | | Gs* | | | | | | | |
| | | | No. of Container(s) | | 1 | | | | | | | |
| Special Handling and/or Storage | | | Volume | | 40ml | | | | | | | |
| SAMPLE ANALYSIS | | | | | VOA BY FIELD GC - Chlorinated Hydrocarbon | | | | | | | |
| Sample No. | | Matrix * | Sample Date | Sample Time | | | | | | | | |
| B0JXY2 | | Water | 1-27-97 | 0730 | ✓ | | | | | | | |
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| CHAIN OF POSSESSION | | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | | |
| Relinquished By RR FOX (RFS) | | Date/Time 1-27-97 1517 | Received By <i>K.J. Yang</i> | | Date/Time 1-27-97 1600 | | | | | | | |
| Relinquished By <i>K.J. Yang</i> | | Date/Time 1-28-97 0930 | Received By <i>R. Stahl</i> | | Date/Time 1-28-97 0930 | | | | | | | |
| Relinquished By <i>R. Stahl</i> | | Date/Time 1-28-97 1245 | Received By <i>R. Stahl</i> | | Date/Time 1-28-97 1245 | | | | | | | |
| Relinquished By | | Date/Time | Received By | | Date/Time | | | | | | | |
| LABORATORY SECTION | | Received By | | Title | | | | | Date/Time | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | | | | Date/Time | | | |

| | | | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | | | C97-013-30 | | Page 1 of 1 | | | |
|--|--|---|--|---|--|------------------------------|--|---|--|---|--|------------------------------------|--|-------------|--|--|--|
| Collector <i>R.R. FOX</i> RR FOX (RFS) | | | | Company Contact J.H. KESSNER | | | | Telephone No. (509)372-9538 | | | | Project Coordinator Stewart, DL | | | | Data Turnaround Field | |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY199 | | | | Sampling Location 200-W | | | | SAF No. C97-013 | | | | | | | | | |
| Ice Chest No. <i>N/A</i> | | | | Field Logbook No. <i>EFL-1111-6 PAGE 63</i> | | | | Method of Shipment <i>Gen. Velp</i> | | | | | | | | | |
| Shipped To Mobile Laboratory | | | | Offsite Property No. <i>N/A</i> | | | | Bill of Lading/Air Bill No. <i>N/A</i> | | | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | | Preservation | | HCl to pH <2 Cooled to 4C | | | | | | | | | | | |
| | | | | Type of Container | | Gs* | | | | | | | | | | | |
| | | | | No. of Container(s) | | 1 | | | | | | | | | | | |
| Special Handling and/or Storage | | | | Volume | | 40ml | | | | | | | | | | | |
| SAMPLE ANALYSIS | | | | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Sample No. | | Matrix * | | Sample Date | | Sample Time | | | | | | | | | | | |
| BOJXY7 | | Water | | 1-28-97 | | 0730 | | X | | | | | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | | | | | | | | | | | | | | |
| | | Relinquished By | | Date/Time | | Received By | | Date/Time | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | |
| | | <i>RR FOX (RFS)</i> | | 1-28-97 | | <i>RT Coffman</i> | | 1-28-97 | | | | | | | | | |
| | | Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | | | | | |
| | | Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | | | | | | | |
| LABORATORY SECTION | | Received By _____ Title _____ Date/Time _____ | | | | | | | | | | | | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method _____ Disposed By _____ Date/Time _____ | | | | | | | | | | | | | | | |

| CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | C97-013-31 | | Page 1 of 1 | | |
|--|------------------------------|--|---|---|--|------------------------------------|--|--|
| Collector <i>FOX</i> RR FOX (RFS) | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround Field |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling-- FY199 | | Sampling Location 200-W | | SAF No. C97-013 | | | | |
| Ice Chest No. <i>N/A</i> | | Field Logbook No. <i>EEL-1111-6 PAGE 65</i> | | Method of Shipment <i>Gov. Vehicle</i> | | | | |
| Shipped To Mobile Laboratory | | Offsite Property No. <i>N/A</i> | | Bill of Lading/Air Bill No. <i>N/A</i> | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | Preservation | HCl to pH <2 Cooled to 4C | | | | | |
| | | Type of Container | Gs* | | | | | |
| | | No. of Container(s) | 1 | | | | | |
| Special Handling and/or Storage | | Volume | 40ml | | | | | |
| SAMPLE ANALYSIS | | | VOA BY FIELD GC -- Chloronated Hydrocarbon | | | | | |
| | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | |
| B0JXY8 | Water | 1-29-97 | 0730 | | | | | |
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| CHAIN OF POSSESSION | | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| Relinquished By RR FOX (RFS) | Date/Time 1300 1-29-97 | Received By <i>RT Coffman</i> | Date/Time 1300 1-29-97 | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | |
| Relinquished By | Date/Time | Received By | Date/Time | | | | | |
| LABORATORY SECTION | | Received By | | Title | | | | Date/Time |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | | | Date/Time |